

Converting Colors

$Y_{xy}(21.5785, 0.4389, 0.4614)$

Have a look what the booklet for
Yxy(21.5785, 0.4389, 0.4614)
contains.

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Color

Yxy(21.6224, 0.4383, 0.4617)

Conversions

Conversions Part 1

Format	Color
Hex	977E23
RGB	151, 126, 35
RGB Percent	59%, 49%, 14%
CMY	0.4079, 0.5059, 0.8627
CMYK	0.00, 0.17, 0.77, 0.41
HSL	47°, 62%, 36%
HSV	47°, 77%, 59%
XYZ	20.5265, 21.6224, 4.6832
YIQ	123.1010, 44.1110, -23.0010

Conversions

Conversions Part 2

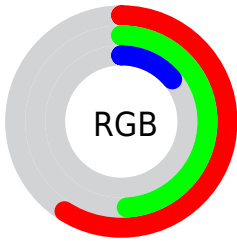
Format	Color
R_{YB}	67, 151, 35
Decimal	9928227
CIE _{Lab}	53.62, -0.12, 49.97
CIE _{LCh}	54, 49.967, 90.139
Yxy	21.6224, 0.4383, 0.4617
Android (android.graphics.Color)	4288118307 (0xFF977E23)
YUV	123.1010, -43.4338, 24.4674
Hunter-Lab	46.4999, -2.5792, 26.5786

Details

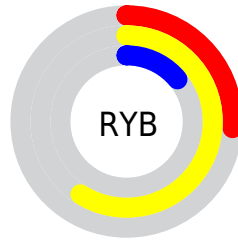
The Yxy color **21.6224, 0.4383, 0.4617** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.8250, 0.1807, 0.1333**, and the grayscale version is **19.9788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9388, 0.4151, 0.4368**, and **7.7946, 0.4564, 0.4758** is the 20% darker color. If you saturate the color by 10%, you get **20.7335, 0.4503, 0.4682**, and if you desaturate by 10%, it is **22.5791, 0.4239, 0.4509**.

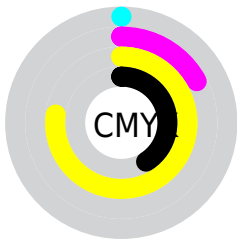
Distribution



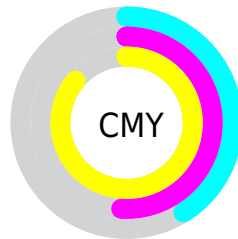
- Red (59%)
- Green (49%)
- Blue (14%)



- Red (26%)
- Yellow (59%)
- Blue (14%)



- Cyan (0%)
- Magenta (17%)
- Yellow (77%)
- Black (41%)





- Cyan (41%)
- Magenta (51%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6224, 0.4383, 0.4617 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 21.6224, 0.4383, 0.4617 by changing the saturation by 10% instead.


 21.6224, 0.4383,
0.4617


 21.6224, 0.4383,
0.4617


260.5680, 0.3730,
0.3926


 13.5797, 0.4526,
0.4769


 46.1211, 0.4152,
0.4373

 7.8289, 0.4697,
0.4950


 63.3459, 0.4062,
0.4277

 3.9857, 0.4868,
0.5132

 84.4002, 0.3985,
0.4196

 1.6656, 0.4866,
0.5134

 109.6684, 0.3919,
0.4126

 0.4012, 0.4854,
0.5146

 139.5349, 0.3862,
0.4066

 0.0000, 0.0000,
0.0000

 174.3840, 0.3812,

0.4013

214.6003, 0.3769,
0.3967

■ 21.6224, 0.4383,
0.4617

■ 21.6224, 0.4383,
0.4617

■ 20.7335, 0.4503,
0.4682

■ 22.5791, 0.4239,
0.4509

■ 19.9019, 0.4597,
0.4705

■ 23.6051, 0.4076,
0.4365

■ 19.6440, 0.4625,
0.4709

■ 24.7055, 0.3903,
0.4194

■ 25.8840, 0.3727,
0.4006

■ 27.1438, 0.3553,
0.3809

■ 28.4880, 0.3385,
0.3611

■ 29.9196, 0.3228,
0.3417

■ 31.4411, 0.3082,
0.3232

■ 33.0552, 0.2948,
0.3057

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.6224, 0.4845, 0.4014



21.6224, 0.4383, 0.4617



21.6224, 0.3627, 0.4958

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.6224, 0.4383, 0.4617



21.6224, 0.1694, 0.2841



21.6224, 0.3282, 0.2304

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.6224, 0.4383, 0.4617



5.8250, 0.1807, 0.1333

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.6224, 0.2444, 0.2021



21.6224, 0.4383, 0.4617



21.6224, 0.1637, 0.2233

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.6224, 0.4383, 0.4617



21.6224, 0.2083, 0.3784



21.6224, 0.1886, 0.1982



21.6224, 0.4198, 0.2782

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.6224, 0.4383, 0.4617



21.6224, 0.3062, 0.4855



21.6224, 0.1886, 0.1982



21.6224, 0.2979, 0.2185

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.6234, 0.4383, 0.4617



49.4022, 0.3496, 0.3742



8.1101, 0.5175, 0.2959



11.0486, 0.3553, 0.3809



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.6234, 0.4383, 0.4617



36.0768, 0.4570, 0.4701



26.1147, 0.3726, 0.5160



6.9969, 0.3265, 0.3464



16.7550, 0.4622, 0.4712



0.3008, 0.4401, 0.4887

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.8250, 0.1807, 0.1333



6.8069, 0.1617, 0.0952



4.6623, 0.1994, 0.1085



6.2315, 0.2988, 0.3110



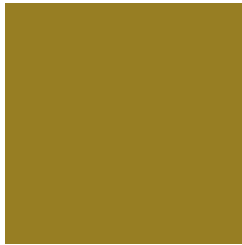
2.8407, 0.1571, 0.0855



0.0881, 0.1760, 0.1537

Previews

White Background



This preview shows how the Yxy color 21.6224, 0.4383, 0.4617 looks on a white background.

Color Contrast Check

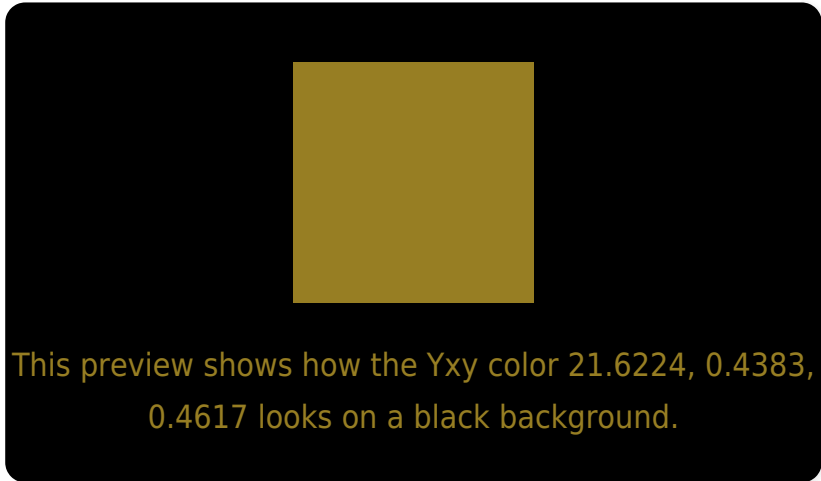
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.6224, 0.4383, 0.4617

Background



This preview shows how black text looks on a background with the Yxy color 21.6224, 0.4383, 0.4617.



This preview shows how white text looks on a background with the Yxy color 21.6224, 0.4383, 0.4617.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.6224, 0.4383, 0.4617

Protanopia

21.7572, 0.4252, 0.4703

Deuteranopia

21.6297, 0.4545, 0.4470



Tritanopia

21.6573, 0.3517, 0.3145

Trichromacy



Original Color

21.6224, 0.4383, 0.4617

Protanomaly

21.7688, 0.4302, 0.4666

Deuteranomaly

21.4614, 0.4490, 0.4522

Tritanomaly

21.4515, 0.3900, 0.3739

Monochromacy



Original Color

21.6224, 0.4383, 0.4617

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1572, 0.3629, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6224, 0.4383, 0.4617 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(151, 126, 35)` looks like.

```
.text, #text, p{  
    color:rgb(151, 126, 35)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(151, 126, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 126, 35) }
```

Border

The CSS property to change the border of an element to Yxy 21.6224, 0.4383, 0.4617 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 126, 35) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(151, 126, 35) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(151, 126, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 126, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 126, 35);  
box-shadow:4px 4px 4px 4px rgb(151, 126,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6224, 0.4383, 0.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 126, 35) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(151,  
126, 35) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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